Supplementary data table 1 for: *Fluvial Sinuous Ridges of the Morrison Formation, USA: River Meandering, Scarp Retreat, and Implications for Mars (Hayden and Lamb, JGR: Planets)*

This table includes raw caprock data taken from topographic transects, including the UTM coordinates of the edges of the ridge flanks and caprocks, and the subsequent data extracted from the elevation profiles at these coordinates.

These data were used in testing the erosion model.

Ridge Name	Base of left flank		Base of right flank		Base of left caprock		Base of right caprock		Maximum caprock elevation (m)	Mean caprock elevation (m)
	Longitude	*Latitude*	*Longitude*	*Latitude*	*Longitude*	*Latitude*	*Longitude*	*Latitude*		
FCNA	506380	4331890	506349	4331840	506371.088	4331875	506351.22	4331842	1672.2	1671.1
FCNA	506400	4331890	506364	4331830	506392.945	4331874	506364.69	4331826	1673.9	1672.4
FCNA	506416	4331880	506382	4331810	506403.753	4331854	506385.43	4331821	1674.6	1673.6
FCNA	506431	4331860	506402	4331810	506423.16	4331847	506405.31	4331813	1675.8	1674.5
FCNA	506433	4331860	506433	4331800	506433	4331837	506433	4331809	1676.2	1675.0
FCNA	506432	4331860	506463	4331800	506443.426	4331839	506455.5	4331815	1676.5	1675.7
FCNA	506458	4331860	506483	4331810	506468.327	4331838	506477.16	4331823	1676.2	1676.1
FCNA	506475	4331860	506500	4331830	506485.443	4331846	506492.35	4331837	1675.9	1675.5
FCNA	506480	4331860	506518	4331840	506491.872	4331856	506505.61	4331849	1675.0	1674.6
FCNA	506493	4331880	506528	4331860	506503.048	4331877	506517.04	4331868	1672.4	1671.9
FCNA	506510	4331920	506536	4331880	506523.5	4331896	506531.35	4331883	1672.8	1672.2
FCNA	506543	4331940	506543	4331880	506543	4331903	506543	4331893	1672.7	1672.4
FCNA	506562	4331940	506562	4331890	506562	4331905	506562	4331898	1673.0	1672.6
FCNB	506465	4331890	506489	4331930	506467.192	4331891	506483.81	4331917	1663.3	1663.0
FCNB	506445	4331900	506483	4331930	506447.131	4331903	506472.09	4331921	1662.7	1661.4
FCNB	506429	4331920	506457	4331950	506431.315	4331917	506447.11	4331936	1661.0	1660.4
FCNB	506419	4331940	506458	4331950	506422.208	4331938	506447.19	4331943	1659.8	1659.3
FCSA	506981	4330510	507017	4330510	506994.566	4330510	507008.35	4330510	1697.8	1697.6
FCSA	506978	4330580	507039	4330530	506989.488	4330571	507020.51	4330548	1694.9	1694.3
FCSA	507028	4330630	507046	4330540	507029.744	4330616	507039.51	4330569	1694.2	1692.8
FCSA	507081	4330640	507081	4330540	507081	4330624	507081	4330551	1694.4	1693.4
FCSA	507121	4330630	507146	4330580	507124.781	4330624	507139.64	4330591	1693.8	1692.9
FCSA	507144	4330640	507229	4330610	507161.593	4330635	507182.08	4330628	1694.4	1693.7
FCSA	507140	4330670	507242	4330690	507154.484	4330671	507221.52	4330687	1691.7	1690.8
FCSA	507145	4330720	507207	4330740	507145.952	4330716	507197.7	4330736	1688.5	1687.7
FCSA	507147	4330830	507186	4330810	507167.395	4330816	507188.67	4330805	1684.6	1683.7
FCSA	507176	4330900	507202	4330840	507199.1	4330848	507203.08	4330840	1681.6	1681.1
FCSA	507222	4330910	507242	4330870	507237.099	4330879	507243.11	4330865	1682.5	1682.1
FCSA	507319	4330960	507331	4330900	507326.757	4330916	507339.82	4330852	1686.3	1685.2
FCSA	507360	4330970	507387	4330910	507371.884	4330943	507399.52	4330876	1686.0	1683.6
FCSA	507394	4331030	507438	4330920	507410.394	4330985	507429.37	4330940	1684.7	1684.3

Ridge Name	Caprock breadth, *B* (m)	Caprock thickness, *T* (m)		Relief, *Z* (m)			Flank slope (deg)	
		Left	*Right*	*Left*	*Right*	*Mean*	*Left*	*Right*
FCNA	39.2	2.0	0.0	7.9	0.0	4.0	24.8	0.0
FCNA	55.7	3.7	1.6	7.3	2.3	4.8	22.4	27.5
FCNA	37.7	2.1	2.8	9.7	2.1	5.9	18.6	10.5
FCNA	38.3	5.3	3.7	7.5	3.0	5.3	26.9	31.7
FCNA	28.3	4.1	3.0	9.6	4.0	6.8	23.0	23.9
FCNA	27.0	2.4	2.8	11.9	5.4	8.7	26.6	18.0
FCNA	17.4	2.7	4.8	12.0	3.0	7.5	26.3	12.1
FCNA	11.3	2.6	1.7	10.7	5.8	8.2	31.4	29.2
FCNA	15.7	2.4	2.0	8.4	4.4	6.4	34.0	16.1
FCNA	16.7	1.3	1.4	2.5	3.5	3.0	13.3	14.4
FCNA	14.8	3.1	2.0	15.0	3.8	9.4	28.3	34.1
FCNA	10.2	2.7	1.8	16.4	3.7	10.1	23.8	16.4
FCNA	7.3	2.1	1.4	17.4	4.1	10.7	26.5	27.6
FCNB	31.3	1.8	3.4	0.0	4.0	2.0	0.0	16.3
FCNB	31.2	1.6	2.0	0.0	4.1	2.0	0.1	16.3
FCNB	24.7	0.7	1.7	0.4	4.7	2.5	5.8	15.3
FCNB	25.5	0.4	1.8	0.5	3.3	1.9	8.6	14.4
FCSA	13.8	3.4	0.9	5.6	3.6	4.6	22.6	22.8
FCSA	38.3	2.8	2.3	3.4	3.7	3.6	13.0	8.1
FCSA	47.9	2.3	2.6	3.9	4.5	4.2	15.1	8.7
FCSA	72.6	1.1	2.6	1.7	2.7	2.2	6.0	13.5
FCSA	36.6	3.4	4.0	1.7	4.1	2.9	13.6	18.6
FCSA	21.8	2.3	1.8	3.6	9.3	6.5	11.3	10.5
FCSA	68.9	2.0	2.6	1.1	7.1	4.1	4.5	18.9
FCSA	55.7	0.4	1.6	0.5	2.9	1.7	5.8	16.2
FCSA	24.4	2.8	1.7	7.3	0.0	3.7	16.6	0.0
FCSA	9.4	0.9	0.9	8.8	0.0	4.4	8.8	0.0
FCSA	14.8	1.1	0.6	11.8	0.0	5.9	18.7	0.0
FCSA	65.3	4.4	4.3	10.3	0.0	5.2	13.1	0.0
FCSA	71.8	5.4	4.3	10.5	0.0	5.3	19.4	0.0
FCSA	49.3	3.8	2.8	1.6	6.8	4.2	2.0	17.5

Supplementary data Table 2 for: *Fluvial Sinuous Ridges of the Morrison Formation, USA: River Meandering, Scarp Retreat, and Implications for Mars (Hayden and Lamb, JGR: Planets)*

This table includes raw stratigraphic data with names matching those listed in the paper Each block is one stratigraphic section, with separate beds on each line. Beds are listed in order from stratigraphic lowest to highest, and gray rows are measurements taken from the caprock. Flow direction measurements with an "r" indicate that they are measured from ripples; all other flow directions come from the dune sets listed on the same row.

Section number	Lat (deg)	Lon (deg)	Median grainsize, D_{50} (m)	Truncated bar Thickness, t_b (m)	Accretion direction	Dune thickness, t_d (m)	Flow direction (deg)	Layer thickness (m)
				FCN-A-2				
FCN-A-2	39.1357	-110.9251	0.000001					7.1
FCN-A-2	39.1357	-110.9251	0.0002			0.1	50	0.1
FCN-A-2	39.1357	-110.9251	0.0002			0.1	55	0.1
FCN-A-2	39.1357	-110.9251	0.0002			0.2	50	0.2
FCN-A-2	39.1357	-110.9251	0.0002			0.4	55	0.4
FCN-A-2	39.1357	-110.9251	0.0002					2.5
				FCN-B-1				
FCN-B-1	39.1364	-110.9256						1
FCN-B-1	39.1364	-110.9256	0.0001					0.6
FCN-B-1	39.1364	-110.9256	0.00035					1.8
				FCN-B-x				
FCN-B-x	39.1359	-110.9250		1			180 r	
				FCN-C-3				
FCN-C-3	39.1352	-110.9244	0.00001					4
FCN-C-3	39.1352	-110.9244	0.00035	1				1
FCN-C-3	39.1352	-110.9244	0.00035	0.58				0.58
FCN-C-3	39.1352	-110.9244	0.00035					0.22
				FCN-C-x				
FCN-C-x	39.1340	-110.9251		1.5		0.2	180	
				FCN-E-6				
FCN-E-6	39.1380	-110.9247	0.000001					1.7
FCN-E-6	39.1380	-110.9247	0.00035			0.12	181	0.12
FCN-E-6	39.1380	-110.9247	0.000001					0.4
FCN-E-6	39.1380	-110.9247	0.0002					1.6
				FCN-E-7				
FCN-E-7	39.1378	-110.9240	0.000001					1.7
FCN-E-7	39.1378	-110.9240	0.00035					0.3
FCN-E-7	39.1378	-110.9240	0.0002			0.3	148	0.3
FCN-E-7	39.1378	-110.9240	0.0002					3

				FCN-E-8			
FCN-E-8	39.1376	-110.9229	0.000001				1.85
FCN-E-8	39.1376	-110.9229	0.0001				0.3
FCN-E-8	39.1376	-110.9229	0.0001				2.5
FCN-E-8	39.1376	-110.9229	0.000001				0.4
FCN-E-8	39.1376	-110.9229	0.0002		0.15	186	0.15
FCN-E-8	39.1376	-110.9229	0.0002				2.2
				FCN-E-x			
FCN-E-x	39.1370	-110.9227	0.000001				2
FCN-E-x	39.1370	-110.9227	0.0002	1.3			1.3
FCN-E-x	39.1370	-110.9227	0.0002				0.33
				FCN-D-4			
FCN-D-4	39.1367	-110.9237	0.000001				4
FCN-D-4	39.1367	-110.9237	0.00035		0.15	10	0.2
FCN-D-4	39.1367	-110.9237	0.00035				2.4
				FCN-D-5			
FCN-D-5	39.1374	-110.9235	0.00001				4.1
FCN-D-5	39.1374	-110.9235	0.00035		0.15	0	0.15
FCN-D-5	39.1374	-110.9235	0.00035		0.15	0	0.15
FCN-D-5	39.1374	-110.9235	0.00035		0.15	0	0.15
FCN-D-5	39.1374	-110.9235	0.00035		0.15	0	0.15
FCN-D-5	39.1374	-110.9235	0.00035		0.15	0	0.15
FCN-D-5	39.1374	-110.9235	0.00035			0 r	1.85
				FCS-A-1			
FCS-A-1	39.1274	-110.9187	0.0001				0.6
FCS-A-1	39.1274	-110.9187	0.00075				0.7
				FCS-A-2			
FCS-A-2	39.1257	-110.9182	0.000001				0.5
FCS-A-2	39.1257	-110.9182	0.01				0.4
FCS-A-2	39.1257	-110.9182	0.00035		0.15	350	0.15
FCS-A-2	39.1257	-110.9182	0.00035				0.85
				FCS-A-3			
FCS-A-3	39.1260	-110.9169	0.00075		0.1	40	0.1
FCS-A-3	39.1260	-110.9169	0.00075		0.15	40	0.15

FCS-A-3	39.1260	-110.9169	0.00075					1.75
				FCS-B-4				
FCS-B-4	39.1248	-110.9178	0.0001					0.5
FCS-B-4	39.1248	-110.9178	0.00035			0.25	120	0.25
FCS-B-4	39.1248	-110.9178	0.00035			0.15	120	0.15
FCS-B-4	39.1248	-110.9178	0.00035					2.1
				FCS-B-5				
FCS-B-5	39.1248	-110.9171	0.000001					1.3
FCS-B-5	39.1248	-110.9171	0.00035			0.3	45	0.3
FCS-B-5	39.1248	-110.9171	0.00035			0.3	45	0.3
FCS-B-5	39.1248	-110.9171	0.00035			0.4	45	0.4
FCS-B-5	39.1248	-110.9171	0.00035					1.5
				FCS-B-6				
FCS-B-6	39.1265	-110.9171	0.01			0.12	30	0.12
FCS-B-6	39.1265	-110.9171	0.01			0.2	30	0.2
FCS-B-6	39.1265	-110.9171	0.01			0.2	30	0.2
FCS-B-6	39.1265	-110.9171	0.01			0.1	30	0.1
FCS-B-6	39.1265	-110.9171	0.01			0.25	30	0.25
FCS-B-6	39.1265	-110.9171	0.01	2				2
				FCS-C-7				
FCS-C-7	39.1269	-110.9159	0.0015			0.1	10	0.1
FCS-C-7	39.1269	-110.9159	0.0015			0.2	10	0.2
FCS-C-7	39.1269	-110.9159	0.0015	0.7	100		350 r	0.7
				WHM-A-4				
WHM-A-4	38.5606	-110.8543	0.0002				30	1.5
WHM-A-4	38.5606	-110.8543						0.55
WHM-A-4	38.5606	-110.8543	0.0002			0.15	0	0.15
WHM-A-4	38.5606	-110.8543	0.0002			0.2	0	0.2
WHM-A-4	38.5606	-110.8543	0.0002					3
WHM-A-4	38.5606	-110.8543	0.00075			0.15	0	0.15
WHM-A-4	38.5606	-110.8543	0.00035			0.2	0	0.2
WHM-A-4	38.5606	-110.8543	0.00035			0.4	0	0.4
WHM-A-4	38.5606	-110.8543	0.0002	2			0	3.6

				WHM-A-5				
WHM-A-5	38.5614	-110.8539	0.0002	3.35	260			3.35
WHM-A-5	38.5614	-110.8539	0.0002			0.5	100	0.5
WHM-A-5	38.5614	-110.8539	0.0002					9.25
WHM-A-5	38.5614	-110.8539	0.0002					3.2
WHM-A-5	38.5614	-110.8539	0.00035			0.2	300 r	0.2
WHM-A-5	38.5614	-110.8539	0.00035					2.7
WHM-A-5	38.5614	-110.8539	0.00035				0 r	0.2
WHM-A-5	38.5614	-110.8539	0.0002				180 r	0.2
WHM-A-5	38.5614	-110.8539	0.00035			0.04	86	0.04
WHM-A-5	38.5614	-110.8539	0.0002				66 r	0.18
WHM-A-5	38.5614	-110.8539	0.00035					0.77
WHM-A-5	38.5614	-110.8539	0.0002				146 r	0.11
WHM-A-5	38.5614	-110.8539	0.0002					1.95
WHM-A-5	38.5614	-110.8539	0.0002			0.1	20	0.1
WHM-A-5	38.5614	-110.8539	0.0002			0.1	20	0.1
WHM-A-5	38.5614	-110.8539	0.0002			0.1	20	0.1
WHM-A-5	38.5614	-110.8539	0.0002			0.1	20	0.1
WHM-A-5	38.5614	-110.8539	0.0002			0.1	20	0.1
WHM-A-5	38.5614	-110.8539	0.0002			0.3	0	0.3
WHM-A-5	38.5614	-110.8539	0.0002			0.3	340	0.3
WHM-A-5	38.5614	-110.8539	0.0002			0.6	20	0.6
WHM-A-5	38.5614	-110.8539	0.0002			0.35	11	0.35
				WHM-B-1				
WHM-B-1	38.5604	-110.8563	0.00035			0.09	160	0.09
WHM-B-1	38.5604	-110.8563	0.00035			0.1	165	0.1
WHM-B-1	38.5604	-110.8563	0.00035			0.1	160	0.1
WHM-B-1	38.5604	-110.8563	0.00035			0.1	165	0.1
WHM-B-1	38.5604	-110.8563	0.00035			0.1	160	0.1
WHM-B-1	38.5604	-110.8563	0.00035			0.25	165	0.25
WHM-B-1	38.5604	-110.8563	0.00035			0.12	226	0.12
WHM-B-1	38.5604	-110.8563	0.00035					1.14
WHM-B-1	38.5604	-110.8563						3.5
WHM-B-1	38.5604	-110.8563	0.00001					0.8

WHM-B-1	38.5604	-110.8563	0.0015			1.7
WHM-B-1	38.5604	-110.8563	0.00075	0.25	165	0.25
WHM-B-1	38.5604	-110.8563	0.01			0.25
WHM-B-1	38.5604	-110.8563	0.00035	0.2	160	0.2
WHM-B-1	38.5604	-110.8563	0.01			0.3
WHM-B-1	38.5604	-110.8563	0.00035			0.5
WHM-B-1	38.5604	-110.8563	0.00075	0.2	15	0.2
WHM-B-1	38.5604	-110.8563	0.00075	0.1	20	0.1
WHM-B-1	38.5604	-110.8563	0.00075			1
			WHM-B-2			
WHM-B-2	38.5630	-110.8548	0.00035	0.3	316	0.3
WHM-B-2	38.5630	-110.8548	0.00035			0.3
WHM-B-2	38.5630	-110.8548	0.0001	0.4	76	0.4
WHM-B-2	38.5630	-110.8548	0.0001			2.25
WHM-B-2	38.5630	-110.8548	0.0001			0.1
WHM-B-2	38.5630	-110.8548				3.9
WHM-B-2	38.5630	-110.8548	0.000001			0.3
WHM-B-2	38.5630	-110.8548	0.01			2
			WHM-B-3			
WHM-B-3	38.5625	-110.8543	0.000001			1
WHM-B-3	38.5625	-110.8543	0.0002			2
WHM-B-3	38.5625	-110.8543	0.01			0.8
WHM-B-3	38.5625	-110.8543	0.01	0.3	86	0.3
			WHM-C-6			
WHM-C-6	38.5621	-110.8521	0.00001			3
WHM-C-6	38.5621	-110.8521	0.00035	0.2	90	0.2
WHM-C-6	38.5621	-110.8521	0.00035	0.4	90	0.4
WHM-C-6	38.5621	-110.8521	0.00035	0.3	90	0.3
WHM-C-6	38.5621	-110.8521	0.00035	0.3	90	0.3
WHM-C-6	38.5621	-110.8521	0.00035	0.4	90	0.4
WHM-C-6	38.5621	-110.8521	0.00035	0.2	90	0.2
WHM-C-6	38.5621	-110.8521	0.00035			4.2

Supplementary data Table 3 for: *Fluvial Sinuous Ridges of the Morrison Formation, USA: River Meandering, Scarp Retreat, and Implications for Mars (Hayden and Lamb, JGR: Planets)*

This table includes summaries of raw and calculated data used throughout the manuscript. We use the 5th-95th percentile of the data distributions to summarize the data. Data is separated thematically with double-lines separating sections and single-lines separating different types of measurement within a section.

*Grain sizes for Mars are estimated using the median sand and gravel sizes in the Trampush et al. (2014) compilation as bounds. This matches the recommendation for application of Eq. 6 presented by Hayden et al. (2019). The "mean" value is the geometric mean of these bounds.

SEDIMENTOLOGY

	FCN_A	FCN_B	FCN_C	FCN_D	FCN_E	FCS_A	FCS_B	FCS_C	WHM_A	WHM_B	WHM_C	AD_1 (Fig 16)	AD_2 (Fig 17)
D50 mean [m]	0.0002	0.00035	0.00035	0.00035	0.0002	0.00046	0.00684	0.0015	0.00049	0.00332	0.000261	0.00387*	0.00387*
D50 5th [m]	0.0002	0.00035	0.00035	0.00035	0.0002	0.00035	0.00035	0.0015	0.0002	0.00035	0.0001	0.0003*	0.0003*
D50 95th [m]	0.0002	0.00035	0.00035	0.00035	0.0002	0.00075	0.01	0.0015	0.0015	0.01	0.00035	0.05*	0.05*
n_Grainsize	4	1	2	6	3	6	11	3	32	5	7		
Dune Set Height, *t_d* , mean [m]	0.2		0.2	0.15	0.225	0.142	0.227	0.15	0.172	0.21	0.3		
Dune Set Height, *t_d* , 5th [m]	0.1		0.2	0.15	0.15	0.1	0.1	0.1	0.078	0.1	0.2		
Dune Set Height, *t_d* , 95th [m]	0.4		0.2	0.15	0.3	0.15	0.4	0.2	0.41	0.3	0.4		
n_DuneSets	4	0	1	6	2	6	10	2	29	5	6		
Truncated Bar Set Height, *t_b* , mean [m]		1	1.03		1.3		2	0.7	1.2		1		
Truncated Bar Set Height, *t_b* , 5th [m]		1	0.58		1.3		2	0.7	0.8		1		
Truncated Bar Set Height, *t_b* , 95th [m]		1	1.5		1.3		2	0.7	2		1		
n_TruncatedBarSets		1	3		1		1	1	3		1		
Paleochannel Depth, *d* [m] (Eq. 1 or 2)	2.03		2.03	1.52	2.28	1.44	2.3	1.52	1.75	2.13	3.05		
Paleochannel Width, *w* [m] (Eq. 1 or 2, 3)	36.5		36.5	27.4	41.1	25.9	41.5	27.4	31.4	38.4	54.8		
Paleochannel Slope, *S* [-] (Eq. 1 or 2, 5)	0.000819		0.000942	0.00126	0.000728	0.00142	0.00131	0.00181	0.00119	0.00119	0.000601		
Caprock Thickness In Stratigraphic Section, mean [m]	3.3	1.8	1.58	2.6	1.99	1.35	2.87	1	5.6	2	6		
n_StratigraphicSections	1	2	2	2	4	4	3	1	4	3	2		

TOPOGRAPHIC TRANSECTS

	FCN_A	FCN_B	FCN_C	FCN_D	FCN_E	FCS_A	FCS_B	FCS_C	WHM_A	WHM_B	WHM_C	AD_1	AD_2
n_TopographicProfiles	13	6	11	8	6	6	16	2	20	9	9	1	10
Caprock Thickness, *T* , Mean From DEM [m]	3.28	4.68	2.16	3.57	1.74	3.49	3.54	1.46	4.89	3.07	4.32	7	13
Caprock Thickness, *T* , 5th From DEM [m]	0.297	2.77	0.275	0.935	0.829	2.19	1.84	0	2.92	1.52	1.3		7.12
Caprock Thickness, *T* , 95th From DEM [m]	5.94	10.7	4.49	5.43	3.98	5.01	8.36	2.93	9.41	8.7	7.55		25.8
Caprock Breadth, *B* , Mean From Image [m]	25.6	32.6	14.3	24.4	9.4	35	40.2	21.5	51.2	30.7	36.2	650	86.1
Caprock Breadth, *B* , 5th From Image [m]	10	26	8.1	13.5	5	11.7	21.3	21	31.1	10	12.2		65.6
Caprock Breadth, *B* , 95th From Image [m]	47.5	44.7	19	32	17	53.2	68.3	22	74	48.8	53.5		125
Ridge Relief, *Z* , Mean From DEM [m]	9.31	6.13	5.55	5.74	4.88	11.3	8.94	3.53	23.8	9.59	15.1	3	15.3
Ridge Relief, *Z* , 5th From DEM [m]	0.968	3.66	1.15	2.53	2.91	6.26	5.41	0	16.4	4.22	8.03		5.16
Ridge Relief, *Z* , 95th From DEM [m]	12.8	11.2	9.07	8.58	6.65	13.6	13.8	7.07	31.5	15.7	25.3		28
Flank Slope, θ, mean [degrees]	30	28.1	29.4	13.8	18.5	30.8	29.3	12	29	21.2	35.6	2.7	
Flank Slope, θ, 5th [degrees]	0	1.9	5.11	5.93	8.38	11.4	9.17	0	16.4	8.87	3.44		

Flank Slope, θ, 95th [degrees]	54.4	70.6	43.8	90	33.4	42.4	55.6	41.2	45.2	42.8	66		

OTHER REMOTE SENSING DATA

	FCN_A	FCN_B	FCN_C	FCN_D	FCN_E	FCS_A	FCS_B	FCS_C	WHM_A	WHM_B	WHM_C	AD_1 (Fig 16)	AD_2 (Fig 17)
Caprock Slope, mean [-]	0.04	-0.00301	0.0517	0.0148	3.25E-05	0.0254	0.0276	0.0782	0.0253	0.0177	0.0515		
Caprock Slope, 5th [-]	0.0388	-0.00518	0.0498	0.00888	-0.00604	0.0225	0.027	0.706	0.0245	0.0134	0.0478		
Caprock Slope, 95th [-]	0.0412	-0.000832	0.0535	0.0207	0.00611	0.0283	0.0282	0.0857	0.026	0.022	0.0552		
Ridge Radius Of Curvature, *C* , mean [m]	64.1	82.2			103	91.1	170		310	307	330	1200	
Ridge Radius Of Curvature, *C* , 5th [m]	40.4	82.2			103	91.1	117		280	307	330		
Ridge Radius Of Curvature, *C* , 95th [m]	87.8	82.2			103	91.1	174		340	307	330		
n_RidgeCurvature	2	1	0	0	1	1	4	0	2	1	1	1	
LAS Radius Of Curvature, *C_LAS* , mean [m]							95					74	
LAS Radius Of Curvature, *C_LAS* , 5th [m]							65.9					48	
LAS Radius Of Curvature, *C_LAS* , 95th [m]							142					100	
n_LAS	0	0	0	0	0	0	6	0	0	0	0	4	
Uneroded Breadth, *B_0* , Measured [m]	100	60			30								
Uneroded Thickness, *T_0* , Measured [m]	6.3	3											
Uneroded Breadth, *B_0* , Reconstructed (Eq. 10-14) [m]	80.5	55.1	51.9	71.5	39.9	91.7	99.1	45.4	156	86	117	686	234
Breadth Eroded (Eq. 10-14) [%]	12	47	16	19	13	13	21	46	20	12	10		28
Breadth Eroded (Eq. 10-14) [m]	70.5	29.1	43.8	58	34.9	80	77.9	24.4	125	76	104		168
Uneroded Breadth Thickness Ratio, *B_0:T_0,* (Predicted, Eq. 10-14)	13.6	5.18	11.6	13.2	10	18.3	11.9	15.5	16.6	9.89	15.5		9.05

DISCHARGE CALCULATIONS

	FCN_A	FCN_B	FCN_C	FCN_D	FCN_E	FCS_A	FCS_B	FCS_C	WHM_A	WHM_B	WHM_C	AD_1 (Fig 16)	AD_2 (Fig 17)
Discharge Reconstruction, *Q* , Sedimentology (Eq. 1 or 2, 6) [m3s]	254		258	141	324	126	449	93.3	189	216	600		
Discharge Reconstruction, *Q* , LAS Curvature (Eq. 9, 6) [m3s]							603					310	
Discharge Reconstruction, *Q* , Ridge Curvature (Eq. 8, 6) [m3s]	154	249			372	303	1330		2990	2230	3290	51200	
Discharge Reconstruction, *Q* , Caprock Thickness (Eq. 7, 6) [m3s]	296	636	126	361	78.2	346	473	36.1	703	199	534	1830	4500
Discharge Reconstruction, *Q* , Caprock Breadth (Eq. 3, 6) [m3s]	120	203	36.1	110	14.7	237	420	55.6	527	135	252	154000	1300

Discharge Reconstruction, Q, Uneroded Caprock Breadth (Eq. 10-14, 3, 6) [m3s]	1320	611	538	1050	306	1790	2970	272	5470	1190	2910	174000	10500